

DEPARTMENT OF THE ARMY, CORPS OF ENGINEERS

APPLICATION FOR PERMIT TO DISCHARGE OR WORK IN NAVIGABLE WATERS AND THEIR TRIBUTARIES

TX-4910 FORM APPROVED
OMB NO. 49-R 0408

JUN 30 1971

Per'd 16002

ASST. TO F M A C

SECTION I. GENERAL INFORMATION

1. State TX Application Number (to be assigned by Corps of Engineers)
Div. 076 Dist. 022 Type 2 Sequence No. 000242

2. Name of applicant and title of signing official McGINNES INDUSTRIAL MAINTENANCE CORPORATION
Vice President

3. Mailing address of applicant McGINNES INDUSTRIAL MAINTENANCE CORPORATION
5619 Griggs Road
Houston, Texas 77021

4. Name, address, telephone number and title of applicant's authorized agent for permit application coordination and correspondence.
George H. Lowry
5619 Griggs Road, Houston, Texas
644-3363 Area Code 713
Secretary - Treasurer

NOTE TO APPLICANT: Refer to the pamphlet entitled "Permits for Work and Structures in and for Discharges or Deposits into Navigable Waters" before attempting to complete this form.

Required Information

- All information contained in this application will, upon request, be made available to the public for inspection and copying. A separate sheet entitled "Confidential Answers" must be used to set out information which is considered by the applicant to constitute trade secrets or commercial or financial information of a confidential nature. The information must clearly indicate the item number to which it applies. Confidential treatment can be considered only for that information for which a specific written request of confidentiality has been made on the attached sheet. However, in no event will identification of the contents and frequency of a discharge be recognized as confidential or privileged information.
- The applicant shall furnish such supplementary information as is required by the District Engineer in order to evaluate fully an application.
- If additional space is needed for a complete response to any item on this form, attach a sheet entitled "Additional Information." Indicate on that sheet the item numbers to which answers apply.
- Drawings required by items 20 and 21 should be attached to this application. Other papers which must be attached to this application include, if applicable, copies of a water quality certification or a written communication which describes water quality impact (see Item 22 and Item 10 of Section II below), the additional information sheet(s) in "c" above, and the confidential information sheet described in "a" above.

Fees

If any discharge or deposit is involved, an application fee of \$100 must be submitted with this application. An additional \$50 is required for each additional point of discharge or deposit.

Signature

- If a discharge is involved, an application submitted by a corporation must be signed by the principal executive officer of that corporation or by an official of the rank of corporate vice president or above who reports directly to such principal executive officer and who has been designated by the principal executive officer to make such applications on behalf of the corporation. In the case of a partnership or a sole proprietorship, the application must be signed by a general partner or the proprietor. Other signature requirements are discussed in the pamphlet.
- If no discharge is involved, an application may be signed by the applicant or his authorized agent.

Application is hereby made for a permit or permits to authorize the activities described herein. I certify that I am familiar with the information contained in this application, and that to the best of my knowledge and belief such information is true, complete, and accurate.

George H. Lowry
Signature of Applicant

18 U.S.C. Section 1001 provides that:

Whoever, in any matter within the jurisdiction of any department or agency of the United States knowingly and wilfully falsifies, conceals or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statements or representations, or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both.

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Acronym name of applicant _____

Are discharge structures

Major? ☐ Minor? ☐ N/A? ☐

Date received, form not complete _____

Date received, form complete but without certificate _____

Date received, form complete _____

Date of Cert./Ltr. _____

day mo yr

Date sent to EPA, form not complete _____

Date sent to EPA, NOAA, D/I, AEC, FPC in complete form _____

day mo yr

5. Date <u>JUN 15 71</u> mo day yr	(Office use only) 000242
6. Check type of application: a. Original <input checked="" type="checkbox"/> b. Revision <input type="checkbox"/>	7. Number of original application

8. Name of facility where discharge or construction will occur.

SLUDGE DISPOSAL FACILITY (PAPER MILL SOLID WASTE)
MCGINNES INDUSTRIAL MAINTENANCE CORPORATION

9. Full mailing address of facility named in item 8 above.

MCGINNES INDUSTRIAL MAINTENANCE CORPORATION
5619 Griggs Road
Houston, Texas 77021

10. Names and mailing addresses of all adjoining property owners whose property also adjoins the waterway.

HALLS BAYOU RANCH
P. O. Box 672
Alvin, Texas 77511

Property owners adjacent to Halls Bayou Ranch are listed on sketch.

11. Check to indicate the nature of the proposed activity:

a. Dredging ☐ b. Construction ☐ c. Construction with Discharge ☐ b. Discharge only ☒

12. If activity is temporary in nature, estimate its duration in months.

If application is for a discharge:

13. List intake sources

Source	Estimated Volume in Million Gallons Per day or Fraction Thereof
Municipal or private water supply system	0 0
Surface water body	0 0
Ground water	0 0
Other Waste Acceptance	0 9

14. Describe water usage within the plant

Type	Estimated Volume in Million Gallons Per day or Fraction Thereof
Cooling water	0 0
Boiler Feed water	0 0
Process water	0 0
Sanitary system*	0 0
Other	0 0

15. List volume of discharges or losses other than into navigable waters.

Type	Estimated Volume in Million Gallons Per day or Fraction Thereof
Municipal waste treatment system	0 0
Surface containment	0 0
Underground disposal	0 0
Waste Acceptance firms	0 0
* Evaporation	0 0
Consumption	0 0

* Indicate number employees served per day

*Natural evaporation in undetermined quantities does occur,

If structures exist, or dredging, filling or other construction will occur, the precise location of the activity must be described.

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- a. Name the corporate boundaries within which the structures exist or the activity will occur.

16. State Texas 17. County Galveston 18. City or Town 8 miles SW Hitchcock

- b. Name of waterway at the location of the activity

19. Intracoastal Canal

20. Maps and sketches which show the location and character of each structure or activity, including any and all outfall devices, dispersive devices, and non-structural points of discharge, must be attached to this application.

21. For construction or work in navigable waters for which a separate permit is sought under 33 U.S.C. 403, the character of each structure must be fully shown on detailed plans to be submitted with this application. Note on the drawings those structures for which separate discharge information (Section II of this form) has been submitted.

22. List all approvals or denials granted by Federal, interstate, State or local agencies for any structures, construction, discharges or deposits described in this application.

Type of document	Id. No.	Date	Issuing Agency
* PERMIT	01221	9-7-66	Texas Water Quality Board
** PERMIT	6970	7-15-66	Corps of Engineers
** PERMIT	8556	12-11-70	Corps of Engineers

*COPY ATTACHED

**COVERS CANAL CONSTRUCTION ONLY

23. Check if facility existed or was lawfully under construction prior to April 3, 1970.

☒

24. If dredging or filling will occur:

State the type of materials involved, their volume in cubic yards, and the proposed method of measurement.

25. Describe the proposed method of instrumentation which will be used to measure the volume of any solids which may be deposited and to determine its effect upon the waterway. (1) Prior to discharge, TWQB is notified and they sample the proposed discharge to determine amount of total suspended solids in terms of parts per million gallons. (2) If the sample indicates total suspended solids, plus other criteria, fall within limits of our Permit, we can discharge. (3) Total volume of discharge is measured by the computed flow curve of a pump at point of discharge. Duration and volume of discharge are documented by the TWQB. (4) Any solids discharged will tend to remain in suspension temporarily but may settle eventually.

26. State rates and periods of deposition described in Item 25. Maximum rate of permitted discharge is One (1) Million Gallons Per Day not to exceed Fifty (50) Million Gallons Per Year. At 88 Parts Per Million Gallons solids concentration there would be 735 lbs. Per Day of solids in the discharge.

SECTION II. PLANT PROCESS AND DISCHARGE DESCRIPTION

1. Discharge described below is a. Present <input checked="" type="checkbox"/> b. Proposed new or changed <input type="checkbox"/>		2. Implementation schedule <input type="checkbox"/>	(Office use only) 000242
Name of corporate boundaries within which the point of discharge is located. State _____ County _____ City or Town _____			6. Discharge Serial No. _____
3. <u>Texas</u>		4. <u>Galveston</u>	5. <u>8 miles SW Hitchcock</u>
State the precise location of the point of discharge. 7. Latitude <u>29</u> Degrees; <u>14</u> Min; <u>03</u> Sec. N 8. Longitude <u>95</u> Degrees; <u>01</u> Min; <u>29</u> Sec. W		9. Name of waterway at the point of discharge. <u>Intracoastal Canal</u>	
10. Has application for water quality certification or description of impact been made? If so, give date: <div style="display: flex; justify-content: space-between;"> <div> Date <u>JUN 29 71</u> mo day yr </div> <div> Check if certificate is attached to form <input checked="" type="checkbox"/> </div> <div> Name Issuing Agency <u>Texas Water Quality Board</u> </div> </div>			
11. Narrative description of activity (include terms of general 4-digit Standard Industrial Classification, and specific manufacturing process). <u>Our activity is the collection of Paper Mill Solid Waste from the Houston Ship Channel Area. Waste is discharged directly into our barges and towed to our Disposal Facilities where the waste is pumped from the barges into holding pits where the solids are permanently retained and the residual liquids are treated and then periodically discharged.</u>			
12. Standard industrial classification number. <u>None that we can determine 4953</u>	13. Principal product. <u>None</u>	14. Amount of principal product produced per day. <u>None</u>	
15. Principal raw material. <u>None</u>	16. Amount of principal raw material consumed per day. <u>None</u>	17. Number of batch discharges per day. <u>See Item 25 - Remarks</u>	
18. Average gallons per batch discharge. <u>See Item 25 - Remarks</u>	19. Date discharge began. <u>MAY 26 69</u> mo day yr	20. Date discharge will begin. mo day yr	
21. Describe waste abatement practices. <u>B SERIES - Biological Treatment</u> <u>BSTABI - Waste materials are pumped from our barges into sludge ponds where the solids are stabilized and the residual liquids are displaced and flow into an oxidation pond.</u> <u>BAERAT - The Residual Liquids in the Oxidation Ponds are aerated by wave action until all criteria limits of our Permit are met.</u>			

PHYSICAL DESCRIPTION OF INTAKE WATER AND DISCHARGE

Intake		Discharge		(Office use only)			
				000242			
				Discharge Serial No.			
Parameter and (Code)	UNTREATED INTAKE WATER	TREATED INTAKE WATER	AVERAGE (DAILY)	MINIMUM (OPERATING YEAR)	MAXIMUM (OPERATING YEAR)	SAMPLE FREQUENCY	CONTINUOUS MONITORING
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Flow (Gallons per day) 00056			35,660	0	136,930	OTHR	ABS
pH 00400			8.3	4.5	10.5	OTHR	ABS
Temperature (Winter) (°F) 74028			55°	40°	70°	OTHR	ABS
Temperature (Summer) (°F) 74027			85°	75°	95°	OTHR	ABS

23. DISCHARGE CONTENTS

PARAMETER	PRESENT	ABSENT	PARAMETER	PRESENT	ABSENT	PARAMETER	PRESENT	ABSENT
Color 00080	X		Aluminum 01105		X	Nickel 01067		X
Turbidity 00070	X		Antimony 01097		X	Selenium 01147		X
Radioactivity 74050		X	Arsenic 01002		X	Silver 01077		X
Hardness 00900	X		Beryllium 01012		X	Potassium 00937		X
Solids 00500	X		Barium 01007		X	Sodium 00929		X
Ammonia 00610		X	Boron 01022		X	Titanium 01152		X
Organic Nitrogen 00605		X	Cadmium 01027		X	Tin 01102		X
Nitrate 00620		X	Calcium 00916		X	Zinc 01092		X
Nitrite 00615		X	Cobalt 01037		X	Algicides 74051		X
Phosphorus 00665		X	Chromium 01034		X	Oil and Grease 00550		X
Sulfate 00945	X		Copper 01042		X	Phenols 32730		X
Sulfide 00745	X		Iron 01045		X	Surfactants 38260		X
Sulfite 00740		X	Lead 01051		X	Chlorinated Hydrocarbons 74052		X
Bromide 71870		X	Magnesium 00927		X	Pesticides 74053		X
Chloride 00940		X	Manganese 01055		X	Fecal Streptococci Bacteria 74054		X
Cyanide 00720		X	Mercury 71900		X	Coliform Bacteria 74055		X
Fluoride 00951		X	Molybdenum 01062		X			X

Have all known hazardous or potentially hazardous substances in your plant been inventoried?

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Yes



No

24b. If yes, have steps been taken to insure that there exists no possibility of any such known hazardous or potentially hazardous substance entering this discharge?



Yes



No

25. Remarks. ITEM 17 - Batch Discharges are made periodically when criteria limits of our Permit are met.

ITEM 18 - Maximum Permitted Discharge is One (1) Million Gallons Per Day not to exceed Fifty (50) Million Gallons Per Year. Our Batch Discharges have averaged 360,000 Gallons and have never exceeded 14 Million Gallons in a year.

ITEM 22 OTHER - Sampling is performed by the "GRAB SAMPLE" Method any time a discharge is contemplated

The information above completes the basic reporting requirements which are required of all applicants. Those applicants whose discharge results from an activity included within any of the Standard Industrial Classification Code (SIC Code) categories listed below must complete Part A of this form as well.

CRITICAL INDUSTRIAL GROUPS

SIC 098	FISH HATCHERIES, FARMS, AND PRESERVES	SIC 285	PAINTS, VARNISHES, LACQUERS, ENAMELS, AND ALLIED PRODUCTS
SIC 10-14	DIVISION B - MINING	SIC 2871	FERTILIZERS
SIC 201	MEAT PRODUCTS	SIC 2879	AGRICULTURAL PESTICIDES, AND OTHER AGRICULTURAL CHEMICALS, NOT ELSEWHERE CLASSIFIED
SIC 202	DAIRY PRODUCTS	SIC 2891	ADHESIVES AND GELATIN
SIC 203	CANNED PRESERVED FRUITS, VEGETABLES (EXCEPT SEAFOODS, SIC 2031 AND 2036)	SIC 2892	EXPLOSIVES
SIC 2031, 2036	CANNED AND CURED FISH AND SEAFOODS; FRESH OR FROZEN PACKAGED FISH AND SEAFOODS	SIC 29	PETROLEUM REFINING AND RELATED INDUSTRIES
SIC 204	GRAIN MILL PRODUCTS	SIC 3011, 3069	TIRES AND INNER TUBES; FABRICATED RUBBER PRODUCTS, NOT ELSEWHERE CLASSIFIED
SIC 206	SUGAR	SIC 3079	MISCELLANEOUS PLASTICS PRODUCTS
SIC 207	CONFECTIONARY AND RELATED PRODUCTS	SIC 311	LEATHER TANNING AND FINISHING
SIC 208	BEVERAGES	SIC 32	STONE, CLAY, GLASS, AND CONCRETE PRODUCTS
SIC 209	MISCELLANEOUS FOOD PREPARATIONS AND KINDRED PRODUCTS	SIC 331	BLAST FURNACES, STEEL WORKS, AND ROLLING AND FINISHING MILLS
SIC 22	TEXTILE MILL PRODUCTS	SIC 332	IRON AND STEEL FOUNDRIES
SIC 23	APPAREL AND OTHER FINISHED PRODUCTS MADE FROM FABRICS AND SIMILAR MATERIALS	SIC 333, 334	PRIMARY SMELTING AND REFINING OF NON-FERROUS METALS; SECONDARY SMELTING AND REFINING OF NONFERROUS METALS
SIC 242	SAWMILLS AND PLANING MILLS	SIC 336	NONFERROUS FOUNDRIES
SIC 2432	VENEER AND PLYWOOD	SIC 347	COATING, ENGRAVING, AND ALLIED SERVICES
SIC 2491	WOOD PRESERVING	SIC 35	MACHINERY, EXCEPT ELECTRICAL
SIC 26	PAPER AND ALLIED PRODUCTS	SIC 36	ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLIES
SIC 281	INDUSTRIAL INORGANIC AND ORGANIC CHEMICALS (EXCEPT SIC 2818)	SIC 37	TRANSPORTATION EQUIPMENT (EXCEPT SHIP BUILDING AND REPAIRING, SIC 3731)
SIC 2818	INDUSTRIAL ORGANIC CHEMICALS	SIC 3731	SHIP BUILDING AND REPAIRING
SIC 282	PLASTICS MATERIALS AND SYNTHETIC RESINS, SYNTHETIC RUBBER, SYNTHETIC AND OTHER MAN-MADE FIBERS, EXCEPT GLASS	SIC 491	ELECTRIC COMPANIES AND SYSTEMS
SIC 283	DRUGS	SIC 493	COMBINATION COMPANIES AND SYSTEMS
SIC 284	SOAP, DETERGENTS, AND CLEANING PREPARATIONS, PERFUMES, COSMETICS, AND OTHER TOILET PREPARATIONS		

PART A

(Note: Submission of Part A is required of all applicants whose processes are listed on page 3 above.)

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000242

Discharge Serial No.

NOT APPLICABLE

INFORMATION REQUIRED OF SPECIFIED INDUSTRIES

Intake		Discharge									
PARAMETER AND CODE	(DAILY AVG. CONCENTRATION) (1)	TREATED INTAKE WATER MAXIMUM CONCENTRATION (2)	MAXIMUM CONCENTRATION PER PROCESS UNIT (3)	MAXIMUM POUNDS PER DAY (4)	DAILY AVG. CONCENTRATION (5)	AVERAGE POUNDS PER DAY (6)	SAMPLE TYPE (7)	SAMPLE FREQUENCY (8)	METHOD OF ANALYSIS (9)	CONTINUOUS MONITORING (10)	(11)
ALKALINITY (as Ca CO ₃) 00410											
B.O.D. 5-DAY 00310											
CHEMICAL OXYGEN DEMAND (C.O.D.) 00340											
TOTAL SOLIDS 00500											
TOTAL DISSOLVED SOLIDS 70300											
TOTAL SUSPENDED SOLIDS 00530											
TOTAL VOLATILE SOLIDS 00505											
AMMONIA (as N) 00610											
KJELDAHL NITROGEN 00625											
NITRATE (as N) 00620											
PHOSPHORUS TOTAL (as P) 00665											